

# Medical Education and Training Center (METC)

## Information Briefing

### 2006 Tri-Service Symposium

13 July 2006



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- **Mission**

We Produce The World's Best Healthcare Personnel To Support The Nation

- **Vision**

The Nation's Leader In Medical Education And Training



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# Seismic Changes

- Foundation for Transformation of Military Medical Education and Training
- State of the Art Joint Academic Institution of Excellence
- Pathway to Future Unified Medical Education and Training Command



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# Impact of Decision

- Consolidate 5 Major Learning Institutions
  - World's largest medical education and training institution
  - Average daily student load over 9000
  - Faculty and staff over 3600
- Capture “best practices”
  - Integrated Learning Environment
    - Faculty monitored vs faculty delivered
    - Self-paced
    - Collaborative learning
  - CCAF/ USUHS Affiliation



# Impact of Decision

- Phased Evolution Into A Joint Medical Education And Training Institution
  - Common core curriculum using the ITRO process
  - Maintain service specific training and CONOPS
  - Scope of practice reviews
- Life Long Learning
  - Sustainment training
- Integrated Leadership Development



# Concepts

- Joint Medical Futures Center
  - Lessons learned repository
  - Knowledge Management
- Federal Degree Granting Institution
  - Accreditation for Associates Degrees
  - Potential for Bachelors Degrees



# Construction by Contrast

*Not since the 1930s-50s has  
FSH seen such significant construction*



*Old BAMC*

*Opened 1938*

*\$3M*



*New BAMC*

*Opened 1996*

*\$256M*



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# Major Challenges

- Construct various “Life Support” facilities
- Match student movement with construction
- Resolve space issues w/ user group





# Scope of Work for METC Campus

- Construct (four) instructional facilities
- Construct (three) 1200 PN Dorm Complexes
- Construct (two) 2400 PN DFAC



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# Facilities Issues

- Program for Design (TMA)
- Area Development Plan (TMA / C&S)
- Synchronization and coordination with Garrison
  - Synchronized construction of instructional and life support facilities
  - Facility design recommendations coordinated thru the METC transition team
- Command and Control (Barracks)
- Phased faculty and student moves
- Camp Bullis readiness training (EMEDS)



# PFD Concept

Existing Requirements  $> 1 \text{ M GSF}$

Potential Space Saving Opportunities  $\geq 800 \text{ K GSF}$

Final Result = 750 K GSF



# Analysis

- Assessment - Challenge in FY08-09

- FY07: 13 projects; \$320M
- FY08: 18 projects; \$695M
- FY09: 14 projects; \$505M
- FY10: 11 projects; \$290M
- FY11: 7 projects; \$75M

- Assumptions

- Existing non-DOD construction will strain local market
- DOD must seek Nation-wide response
- Joint execution will bring efficiencies
- Cooperation between agents, not competition
- Not impacted by future natural events



# Market Conditions in SA

- Toyota Plant to be completed in late 2006
  - Second order construction demands are increasing (housing, suppliers, etc.)
- Condo towers, office facilities; booming SA economy
- Post Hurricane (Katrina)
  - 25% markup in bids
  - No markup allowed in BRAC
- Fuel, construction materials, and labor costs and availability
- Price volatility, lag in price factors
- Availability of local firms with medical construction experience
- Three Medical Facilities planned for 2007



# Other Conditions

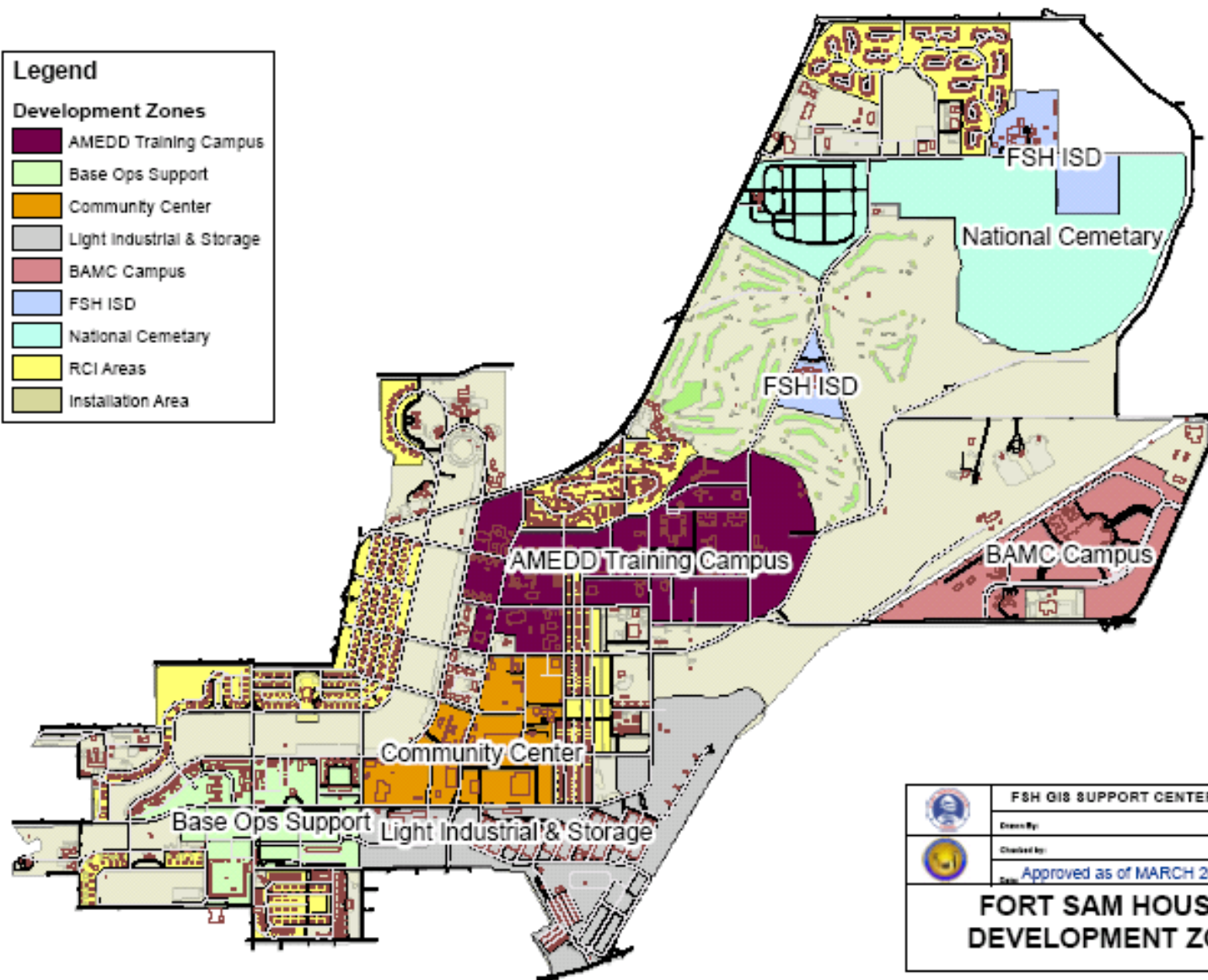
- Small Business
- Political Interest
- Packaging
- Incremental Funding
- Level of Construction Management Required
  - Title II and construction management support
- Completion of EIS/EA on schedule
- Risk Assessment and Management
- Unfinanced Requirement for Planning Studies



## Legend

### Development Zones

- AMEDD Training Campus
- Base Ops Support
- Community Center
- Light Industrial & Storage
- BAMC Campus
- FSH ISD
- National Cemetary
- RCI Areas
- Installation Area



FSH GIS SUPPORT CENTER		
Drawn By:		
Checked By:		
Date: <u>Approved as of MARCH 2005</u>		
<b>FORT SAM HOUSTON DEVELOPMENT ZONES</b>		



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# Questions



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# BACKUP SLIDES



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# Action Plan Timeline By FY

2006                      2007                      2008                      2009                      2010                      2011

— **METC (Prov)** —

— **METC** —

BRAC MILCON

**EIS**

Instructional / Dorms

Instructional/ Dorms

**EIS**

Camp Bullis Readiness  
Training

Instructional/ Dorms

Concurrent Army MILCON at Fort Sam Hous

Instructional

General  
Instructional  
Building (GIB)-  
Nursing Sciences

Medical Instructional Facility (MIF)-  
Physician Specialists

Phased Move

Phase I: Early C2, Readiness Training and Early  
Transition

Phase II: Specialty Training

Phase III: Med Lab and Specialty Training

Phase IV: Dental and Specialty  
Training

Phase V: Surgical and  
Specialty

Phase VI: Basic Medic Training



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# METC Projects

Number	Facility	Build date	Cost	Funding	O&M
64200	Student Dormitory 1-PH 1	2007	\$99m	METC BRAC	\$9,900,000
64201	Student Dormitory 1-PH 2	2008	\$81m	METC BRAC	\$8,100,000
64202	Student Dormitory 2-PH 1	2009	\$91m	METC BRAC	\$9,100,000
64206	Medical Training Facility PH 1	2007	\$130m	METC BRAC	\$75,258,000
64205	Medical Training Facility PH 2	2008	\$59m	METC BRAC	-
64207	Medical Training Facility PH 3	2009	\$53m	METC BRAC	-
64208	Medical Training Facility PH 4	2010	\$62m	METC BRAC	-
64183	Medical Field Training (CB)	2011	\$16m	METC BRAC	\$1,000
64192	Student Support Complex	2008	\$40m	METC BRAC	\$176,000
64191	Enlisted Medical Education and Training Center	2008	\$12m	Army BRAC	\$459,000
64154	Physical Fitness Center	2009	\$12m	Tri Service	\$464,000



# METC ADSL

	COBRA	Course Variance	HOHUR* Variance	Total
Sheppard	1578	572	122	2272
Great Lakes	1700	(174)	0	1526
Portsmouth	350	221	0	571
San Diego	1337	(616)	0	721
Walter Reed	30	0	0	30
AMEDD C&S	2904	797	150	3851
<b>Total</b>	<b>7899</b>	<b>800</b>	<b>272</b>	<b>8971</b>



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# METC STAFF

	Officer	Enliste d	Civilia n	Total
Sheppard	69	436	71	576
Great Lakes	20	123	8	151
Portsmouth	11	84	10	105
San Diego	27	216	25	268
Walter Reed	0	1	4	5
AMEDD C&S	426	1016	1082	2524
<b>Total</b>	<b>553</b>	<b>1876</b>	<b>1200</b>	<b>3629</b>



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DMETC Buildings Based on Movement Plan	Total Square Footage by Building (GSF)	Total Laboratory Instructional Space (GSF)	Percentage of Laboratory Instructional Space	Percentage of General Instructional Space
Phase II Building	214,823	57,347	27%	73%
Phase III & IV Building	169,973	51,076	30%	70%
BMET & Phase V Building	194,401	78,629	40%	60%
Phase VI Building A	203,349	52,635	26%	74%
Phase VI Building B	185,567	31,977	17%	83%
<b>Total</b>	<b>968,114</b>	<b>271,664</b>	<b>28%</b>	<b>72%</b>



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# COBRA/METC Planning Variances

Description	COBRA	METC
Expected total student load	6271	9000*
Current facility capacity in SF	520K	520K
Current student capacity	4160	4160
Student reqmt above capacity	2111	4767
New space required in SF	422K	>900K
Cost of New Construction	\$74M	\$304M**



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